

Claims

We claim:

1 1. A computer-implemented method for adding electronic ink to displayed
2 information on a system having a display, said method comprising the steps of:

3 classifying said electronic ink;

4 associating said electronic ink with at least one object of said displayed information.

1 2. The method according to claim 1, wherein said classifying step classifies said
2 electronic ink as one of embedded ink and overlaid ink.

1 3. The method according to claim 1, wherein said classifying step includes the step
2 of determining its distance to other annotations.

1 4. The method according to claim 1, wherein said classifying step includes the step
2 of determining the ratio of its height to width.

1 5. The method according to claim 1, wherein said associating step further includes
2 the step of:

3 anchoring said electronic ink to said at least one object by adding a link to said displayed
4 information.

1 6. The method according to claim 1, wherein said associating step further includes
2 the step of:

3 anchoring said electronic ink to a file position of said at least one object.

1 7. The method according to claim 1, wherein said associating step further includes
2 the step of:

3 anchoring said electronic ink to said at least one object by adding a link at or near said
4 object pointing to said electronic ink.

1 8. The method according to claim 1, wherein the relationship of said electronic ink
2 to said at least one object is maintained despite re-flowing of said displayed information by a
3 layout engine.

1 9. The method according to claim 1, wherein said classifying step classifies said ink
2 as in-line words.

1 10. The method according to claim 1, wherein said classifying step classifies said ink
2 as text marks.

1 11. The method according to claim 1, wherein said classifying step classifies said ink
2 as in-line paragraphs and sketches.

1 12. The method according to claim 1, wherein said classifying step classifies said ink
2 as margin notes.

1 13. The method according to claim 1, wherein said classifying step classifies said ink
2 as a connector.

1 14. A computer readable medium having a program stored thereon, said program
2 implementing a method for adding electronic ink to displayed information on a system having a
3 display, said program comprising the steps of:

4 classifying said electronic ink;
5 associating said electronic ink with at least one object of said displayed information.

1 15. The computer readable medium according to claim 14, wherein said classifying
2 step classifies said electronic ink as one of embedded ink and overlaid ink.

1 16. The computer readable medium according to claim 14, wherein said classifying
2 step includes the step of determining its distance to other annotations.

1 17. The computer readable medium according to claim 14, wherein said classifying
2 step includes the step of determining the ratio of its height to width.

1 18. The computer readable medium according to claim 14, wherein said associating
2 step further includes the step of:

3 anchoring said electronic ink to said at least one object by adding a link to said displayed
4 information.

1 19. The computer readable medium according to claim 14, wherein said associating
2 step further includes the step of:

3 anchoring said electronic ink to a file position of said at least one object.

1 20. The computer readable medium according to claim 14, wherein said associating
2 step further includes the step of:

3 anchoring said electronic ink to said at least one object by adding a link at or near said
object pointing to said electronic ink.

1 21. The computer readable medium according to claim 14, wherein the relationship of
said electronic ink to said at least one object is maintained despite re-flowing of said displayed
information by a layout engine.

1 22. The computer readable medium according to claim 14, wherein said classifying
2 step classifies said ink as in-line words.

1 23. The computer readable medium according to claim 14, wherein said classifying
2 step classifies said ink as text marks.

1 24. The computer readable medium according to claim 14, wherein said classifying
2 step classifies said ink as in-line paragraphs and sketches.

1 25. The computer readable medium according to claim 14, wherein said classifying

2 step classifies said ink as margin notes.

1 26. The computer readable medium according to claim 14, wherein said classifying

2 step classifies said ink as a connector.

1 27. A system for associating electronic ink with content having objects comprising:

2 an input receiving the output of a digitizer;

3 a processor connected to said input;

4 a storage connected to said processor, said storage storing said content; and

5 an output connected to said processor,

6 wherein said processor classifies electronic ink related to signals received from said
7 input, said processor associates said electronic ink to said content, said processor transforms said
8 electronic ink, and said processor outputs said transformed electronic ink to said output.

9 28. The system according to claim 27, wherein said processor classifies said

10 electronic ink based as one of embedded ink and overlaid ink.